Project Title	Funding	Strategic Plan Objective	Institution
16p11.2: Defining the gene(s) responsible (grant 1)	$210,240	Q4.S.B	Cold Spring Harbor Laboratory
16p11.2 deletion mice: autism-relevant phenotypes and treatment discovery	$200,000	Q4.S.B	University of California, Davis
16p11.2 deletion mice: Autism-relevant phenotypes and treatment discovery	$200,000	Q4.S.B	Stanford University
2013 Dup15q Alliance Scientific Meeting Support	$0	Q4.S.E	Dup15q Alliance
A mouse model of top-down interactions	$100,000	Q4.S.B	Rockefeller University
Analysis of oxytocin function in brain circuits processing social cues	$62,500	Q4.S.B	Harvard University
Animal Model of Speech Sound Processing in Autism	$251,777	Q4.S.B	UNIVERSITY OF TEXAS DALLAS
A novel neural circuit analysis paradigm to model autism in mice	$196,667	Q4.S.B	Duke University
A NOVEL TRANSLATIONAL MODEL OF AUTISUM SPECTRUM DISORDER	$223,125	Q4.S.B	Emory University
A novel window into ASD through genetic targeting of striosomes - Core	$83,764	Q4.S.B	Massachusetts Institute of Technology
A novel window into ASD through genetic targeting of striosomes - Project 1	$82,473	Q4.S.B	Cold Spring Harbor Laboratory
Autism-linked TBR1 gene in learning-related synaptic plasticity	$0	Q4.S.B	Columbia University
A zebrafish model to identify epigenetic mechanisms relevant to autism	$60,000	Q4.S.B	King's College London
Behavioral evaluation of a novel autism mouse model	$30,000	Q4.S.B	Shriners Hospitals for Children - Northern California
Biomarker discovery for low sociability: A monkey model	$125,000	Q4.S.B	Stanford University
Casein Kinase 1 Inhibitors for Treatment of Autism	$349,610	Q4.S.B	INTRA-CELLULAR THERAPIES, INC.
Cerebellar signaling in mouse models of autism	$0	Q4.S.B	NORTHWESTERN UNIVERSITY
Characterization of brain and behavior in 7q11.23 duplication syndrome-Core	$164,326	Q4.S.B	University of Toronto
Characterization of brain and behavior in 7q11.23 duplication syndrome-Project 1	$90,696	Q4.S.B	University of California, Davis
Characterization of synaptic and neural circuitry dysfunction underlying ASD-like behaviors using a novel genetic mouse model	$15,000	Q4.S.B	Duke University
Characterization of the Schizophrenia-associated 3q29 Deletion in Mouse	$477,402	Q4.S.B	Emory University
CHD8 and beta-catenin signaling in autism	$62,500	Q4.S.B	University of Chicago
Chromatin remodeling in autism	$125,000	Q4.S.B	Stanford University
Circuit-level developmental and functional dynamics in an ASD genetic model	$60,000	Q4.S.B	Univeristy of Queensland
Comprehensive Phenotyping of Autism Mouse Models	$58,713	Q4.S.B	University of Pennsylvania
Deep Phenotyping of Autism Spectrum Disorder Mice	$216,994	Q4.S.B	Harvard University

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Deficits in tonic inhibition and the pathology of autism spectrum disorders	$0	Q4.S.B	Tufts University
Disruption of Cortical Projection Neurons, Circuits, and Cognition in ASD	$120,953	Q4.S.B	The George Washington University
Dissecting striatal circuit dynamics during repetitive behaviors in autism	$182,254	Q4.S.B	FundaÁ„o D. Anna de Sommer Champalimaud e Dr. Carlos Montez Champalimaud
Effects of Chronic Intranasal Oxytocin	$1,103,903	Q4.S.B	University of California, Davis
Effects of Chronic Intranasal Oxytocin	$125,448	Q4.S.B	University of California, Davis
Effects of oxytocin receptor agonists in mouse models of autism spectrum disorder phenotypes	$0	Q4.S.B	University of North Carolina
Evaluating hyperserotonemia as a biomarker of sensory dysfunction in autism spectrum disorder	$0	Q4.S.B	Vanderbilt University
Examination of the mGluR-mTOR pathway for the identification of potential therapeutic targets to treat fragile X	$0	Q4.S.B	University of Pennsylvania
Exploring VIPR2 microduplication linkages to autism in a mouse model	$0	Q4.S.B	University of California, Los Angeles
Functional Analysis of Rare Variants in Genes Associated with Autism	$146,625	Q4.S.B	Yale University
Functional analysis of the Schizophrenia and Autism Spectrum Disorder gene TCF4 i	$457,500	Q4.S.B	LIEBER INSTITUTE, INC.
Functional connectivity in monogenic mouse models of autism	$55,260	Q4.S.B	Fondazione Istituto Italiano di Tecnologia
Functional consequences of disrupted MET signaling	$48,509	Q4.S.B	Children's Hospital Los Angeles
GABA-A receptor subtypes as therapeutic targets in autism	$60,000	Q4.Other	MCLEAN HOSPITAL
How do autism-related mutations affect basal ganglia function?	$62,500	Q4.S.B	University of California, Berkeley
Identifying high-impact therapeutic targets for autism spectrum disorders using rat models	$0	Q4.S.B	Mount Sinai School of Medicine
Identifying therapeutic targets for autism using Shank3-deficient mice	$486,501	Q4.S.B	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Integrative system biology of iPSC-induced neurons for identifying novel drug targets	$0	Q4.S.B	Baylor College of Medicine
Investigating the effects of chromosome 22q11.2 deletions	$0	Q4.S.B	Columbia University
Investigating Wnt signaling variants in mouse models of ASD	$60,000	Q4.S.B	University of California, San Francisco
Investigations of a Proposed Molecular Feedback Loop in Cortical Neurons in Psychiatric Pathogenesis	$25,000	Q4.S.B	University of California, San Francisco

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In vivo approach to screen ASD allele functions in cortical interneurons	$62,500	Q4.S.B	University of California, San Francisco
Linking cortical circuit dysfunction and abnormal behavior in genetic mouse models of autism	$258,358	Q4.S.B	University of California, Los Angeles
Mechanism and treatment of ASD related behavior in the Cntnap2 knockout mouse model	$0	Q4.S.B	University of California, Los Angeles
Mechanisms of circuit failure and treatments in patient-derived neurons in autism	$406,250	Q4.S.B	BROWN UNIVERSITY
Mechanisms of stress-enhanced aversive conditioning	$381,250	Q4.S.B	NORTHWESTERN UNIVERSITY
Microcircuit endophenotypes for autism	$62,500	Q4.S.B	University of California, San Francisco
Misregulation of microtubule dynamics in Autism	$0	Q4.S.B	Drexel University
Modeling The Serotonin Contribution to Autism Spectrum Disorders	$229,702	Q4.S.B	Vanderbilt University
Molecular consequences of strong effect ASD mutations including 16p11.2	$125,000	Q4.S.B	Massachusetts General Hospital
Neural and cognitive mechanisms of autism	$0	Q4.S.B	Massachusetts Institute of Technology
Neural mechanisms of social reward in mouse models of autism	$124,997	Q4.S.B	Stanford University
Neurobiological Signatures of Social Dysfunction and Repetitive Behavior	$390,000	Q4.S.B	Vanderbilt University
Neuroligin function in the prefrontal cortex and autism pathogenesis	$125,000	Q4.S.B	Stanford University
Novel approaches to enhance social cognition by stimulating central oxytocin release	$149,665	Q4.S.B	Emory University
Novel Genetic Models of Autism	$328,415	Q4.S.B	UT SOUTHWESTERN MEDICAL CENTER
Novel therapeutic targets to treat social behavior deficits in autism and related disorders	$0	Q4.S.B	University of Texas Health Science Center, San Antonio
Optical imaging of circuit dynamics in autism models in virtual reality	$184,781	Q4.S.B	Harvard Medical School
Oxytocin Receptors and Social Behavior	$440,363	Q4.S.B	Emory University
Piloting Treatment with Insulin-Like Growth Factor-1 in Phelan-McDermid Syndrome	$289,286	Q4.L.A	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Pinpointing Genes Underlying Autism in Chromosomal Region 16p11.2	$30,000	Q4.S.B	Cold Spring Harbor Laboratory
Preclinical Autism Consortium for Therapeutics (PACT)	$389,677	Q4.S.B	University of California, Davis
Preclinical Autism Consortium for Therapeutics (PACT)-Boston Children's Hospital	$316,301	Q4.S.B	Boston Children's Hospital
Preclinical evaluation of NMDA receptor antagonists for treating Rett Syndrome	$396,250	Q4.S.B	CASE WESTERN RESERVE UNIVERSITY

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Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	$0	Q4.S.B	University of North Carolina
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	$0	Q4.S.B	University of North Carolina
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	$0	Q4.S.B	University of North Carolina
Preclinical therapeutic target validation of glutamate receptors in Shank3 models of autism	$0	Q4.S.B	University of Texas Southwestern Medical Center
Prefrontal function in the Shank3-deficient rat: A first rat model for ASD	$544,401	Q4.S.B	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
PsychoGenics Inc.	$218,567	Q4.S.B	PsychoGenics Inc.
Rapid drug discovery in genetic models of autism	$59,834	Q4.S.B	Research Center of Centre hospitalier de l'UniversitÈ de MontrÈal
Rat knockout models of ASD	$0	Q4.S.B	Baylor College of Medicine
Rebuilding Inhibition in the Autistic Brain	$0	Q4.S.B	Brandeis University
Regulation of Neuroligins and Effects on Synapse Number and Function	$759,674	Q4.S.B	National Institutes of Health
Reversing BDNF Impairments in Rett Mice with TRPC Channel Activators	$142,398	Q4.S.B	UNIVERSITY OF ALABAMA AT BIRMINGHAM
Role of Caspr2 (CNTNAP2) in brain circuits- Core	$89,999	Q4.S.B	Weizmann Institute of Science
Role of Caspr2 (CNTNAP2) in brain circuits - Project 1	$154,145	Q4.S.B	King's College London
Role of Caspr2 (CNTNAP2) in brain circuits - Project 2	$159,168	Q4.S.B	University of California, Los Angeles
Role of the CUL3-mediated ubiquitination pathway in autism	$59,340	Q4.S.B	Portland State University
Roles of Oxytocin and Vasopressin in Brain	$1,947,833	Q4.S.B	National Institutes of Health
Small-molecule compounds for treating autism spectrum disorders	$0	Q4.S.B	University of North Carolina
Stable Zebrafish Models of Autism Spectrum Disorder	$75,250	Q4.S.B	University of Miami
Striatal synaptic Abnormalities in Models of Autism	$397,500	Q4.S.B	UT SOUTHWESTERN MEDICAL CENTER
Studies of genetic and metabolic disorders, autism and premature aging	$157,328	Q4.S.B	National Institutes of Health
Synaptic pathophysiology of 16p11.2 model mice	$125,000	Q4.S.B	Massachusetts Institute of Technology
Temporally controlled genetic rescue of Shank3 autism model	$0	Q4.S.B	University of Texas Southwestern Medical Center
Testing brain overgrowth and synaptic models of autism using NPCs and neurons from patient-derived iPS cells	$0	Q4.S.B	University of California, San Francisco
Testing brain overgrowth and synaptic models of autism using NPCs and neurons from patient-derived iPS cells	$0	Q4.S.B	Salk Institute for Biological Studies

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THE GENETIC AND NEUROANATOMICAL ORIGIN OF SOCIAL BEHAVIOR	$391,250	Q4.S.B	BAYLOR COLLEGE OF MEDICINE
The Role of Cation/Proton Exchanger NHE9 in Autism	$62,500	Q4.S.B	University of California, San Francisco
The role of glutamate receptor intereacting proteins in autism	$125,000	Q4.S.B	Johns Hopkins University
The role of PTCHD1 in thalamic reticular nucleus function and ASD	$125,000	Q4.S.B	Massachusetts Institute of Technology
The tissue-specific transcriptome anatomy of 16p11.2 microdeletion syndrome	$60,000	Q4.S.B	Massachusetts General Hospital
Understanding brain disorders related to the 15q11.2 chromosomal region	$125,000	Q4.S.B	Johns Hopkins University
Understanding copy number variants associated with autism	$250,000	Q4.S.B	Duke University
Vicarious Neural Activity, Genetic Differences and Social Fear Learning	$56,978	Q4.S.B	Oregon Health & Science University
Whole Brain Mapping of the Effects of Intranasal Oxytocin in CNTNAP2 KO Mouse Model of Autism	$30,000	Q4.Other	Cold Spring Harbor Laboratory